Technical Specifications

1. Bullet Camera

Sl No	Parameter	Requirement
1	Resolution	4MP, Pixel Count (1920 × 1080) OR BETTER, IP Colour
2	Image sensor	1/ 2.7" Progressive Scan CMOS
3	Minimum Illumination	Colour: 0.005 Lux @ (F1.60, AGC ON) O Lux with White Light
4	Focal Length	4.0 mm
5	Angle of View	horizontal : 91° vertical: 46°
6	WDR	D-WDR
7	Image Compressio nTechnique	H.264, H.265 - or Better
8	IR Range	Minimum of 30 meters or better IR
9	FPS	25FPS/30FPS
10	Application programmin g	Support ONVIF or PSIA
11	Protocols	IPv4/IPv6, TCP/IP, UDP, HTTP, HTTPS, FTP, DHCP, DNS,DDNS, RTP, RTSP, NTP,SMTP, SNMP, IGMP, ONVIF
12	Power	12VDC, PoE
13	Protection Level	IP67
14	Certification	UL&CE, & FCC & EN and ONVIF standards / BIS Standards
14	Network Port	RJ45
15	Mounting	PVC Box for Camera Mounting
16	Warranty	3 years

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2. Dome Camera

Sl No	Parameter	Requirement
1	Resolution	4MP, Pixel Count (1920 × 1080) OR BETTER, IP Colour
2	Image sensor	1/ 2.7" Progressive Scan CMOS
3	Minimum Illumination	Colour: 0.005 Lux @ (F1.60, AGC ON) O Lux with White Light
4	Focal Length	2.8 mm
5	Angle of View	horizontal : 111° vertical: 59°
6	WDR	D-WDR
7	Image Compressio nTechnique	H.264, H.265 - or Better
8	IR Range	Minimum of 30 meters or better IR
9	FPS	25FPS/30FPS
10	Application programmin g	Support ONVIF or PSIA
11	Protocols	IPv4/IPv6, TCP/IP, UDP, HTTP, HTTPS, FTP, DHCP, DNS,DDNS, RTP, RTSP, NTP,SMTP, SNMP, IGMP, ONVIF
12	Power	12VDC, PoE
13	Protection Level	IP67
14	Certification	UL&CE, & FCC & EN and ONVIF standards / BIS Standards
14	Network Port	RJ45
15	Mounting	PVC Box for Camera Mounting
16	Warranty	3 Years

Note: All the Cameras should be supplied with Pole Mounted Bracket, If required, the poles will also be supplied by the vendor.

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3. Network Video Recorder

Sr No	Parameters	Specifications
1	Video Input	8 Channels up to 80MBPS of configurable bandwidth 8/16/24/32
2	Video Output	1 HDMI port: at least 1 supporting 4MP resolution,1 VGA port, at least 1supporting 720 P resolution
3	Operating System	Embedded Linux/Windows
4	Hard disk Interface	Minimum of 8TB
5	TCP/IP	TCP/IP
6	USB Interface	Minimum of 1 x USB 2.0
7	SATA	2 SATA interfaces with each supporting 4TB
8	Network	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
9	Video Compression	H.265/H.264 or better
10	Preview	8CH: 1/4/8
11	Third Party Cameras	ONVIF standards
12	Recording resolution	Recording resolution 2MP (1080P), UXGA , 720P, VGA, 4CIF, DCIF, 2CIF ,CIF,QCIF
13	Playback	Upto 8 channels
14	Backup Mode	USB Flash drive
15	Playback Remote	Support
16	Power	DC 12V 1.5A
17	Certification	UL & CE & FCC & EN and ONVIF standards /BIS Standards
18	Warranty	3 years

4. PoE Switch

S.No	Minimum Specifications
1	8+2 POE Switch
2	The switch shall have (8+2) RJ-45 auto-negotiating 10/100/1000 PoE ports with suitable power budget to support quoted IP cameras
3	The Switch should support Static IPv4/IPv6 routing
4	Three years warranty

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5. LED Display (42" or greater)

IP Based NVR with recording capacity required recording and viewing software of CCTV camera, min. 32 camera view capacity, proper fixing arrangement.

Sr No	Parameters	Specifications
1	Monitor	Minimum 42", Full HD
2	Display Resolution	1920 * 1080@60Hz
3	Backlight Module	D-LED Backlight
4	Interfaces	VGA Input 1 HDMI Input 1 Audio Input 1
5	Power Supply	100V to 240 V AC, 50/60 Hz
6	Response Time	8ms
7	Mounting	Shall be suitable for rigid support mounting from Wall, Ceiling, column or Tabletop

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LED Display (19 inch)

IP Based NVR with recording capacity required and recording and viewing software of CCTV camera, min. 32 camera view capacity, proper fixing arrangement.

Sl No	Parameter	Requirement
1.	Moitor	Minimum 19 inch: Full HD
2.	Display Resolution	1920*1080@60Hz
3.	Backlight Module	D-LED Backlight
4.	Interfaces	VGA Input 1 HDML Input 1 Audio Input 1
5.	Power Supply	100V to 240 V AC, 50/60 Hz
6.	Response Time	8ms
7.	Mounting	Shall be suitable for rigid Support mounting drom wall, calling, column or Tabletop

LED Display (42 inch or Greater)

IP Based NVR with recording capacity required and recording and viewing software of CCTV camera, min. 32 camera view capacity, proper fixing arrangement.

Sl No	Parameter	Requirement
1.	Moitor	Minimum 42 inch: Full HD
2.	Display Resolution	1920*1080@60Hz
3.	Backlight Module	D-LED Backlight
4.	Interfaces	VGA Input 1 HDML Input 1 Audio Input 1
5.	Power Supply	100V to 240 V AC, 50/60 Hz
6.	Response Time	8ms
7.	Mounting	Shall be suitable for rigid Support mounting drom wall, calling, column or Tabletop

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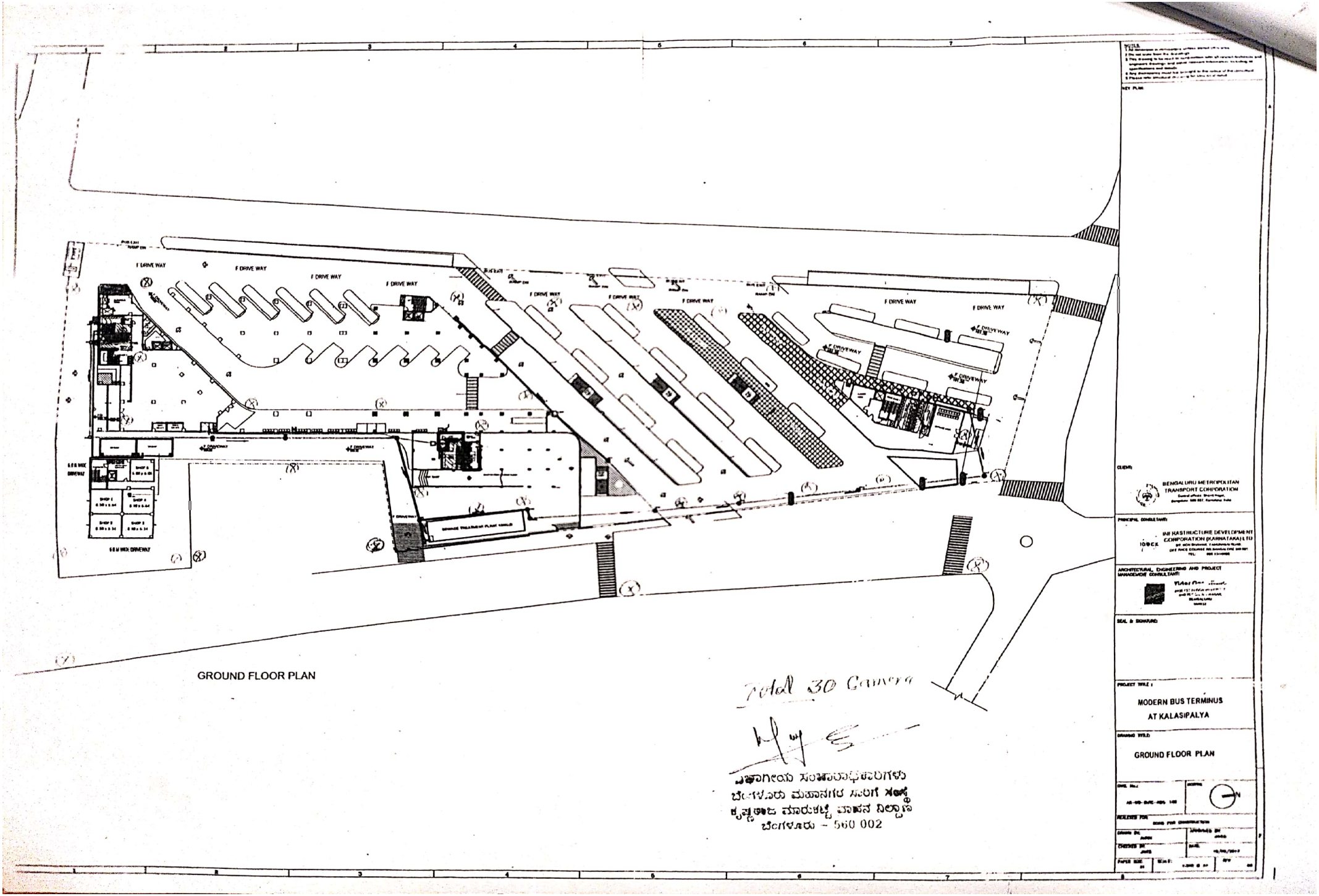

Total 30 Camera

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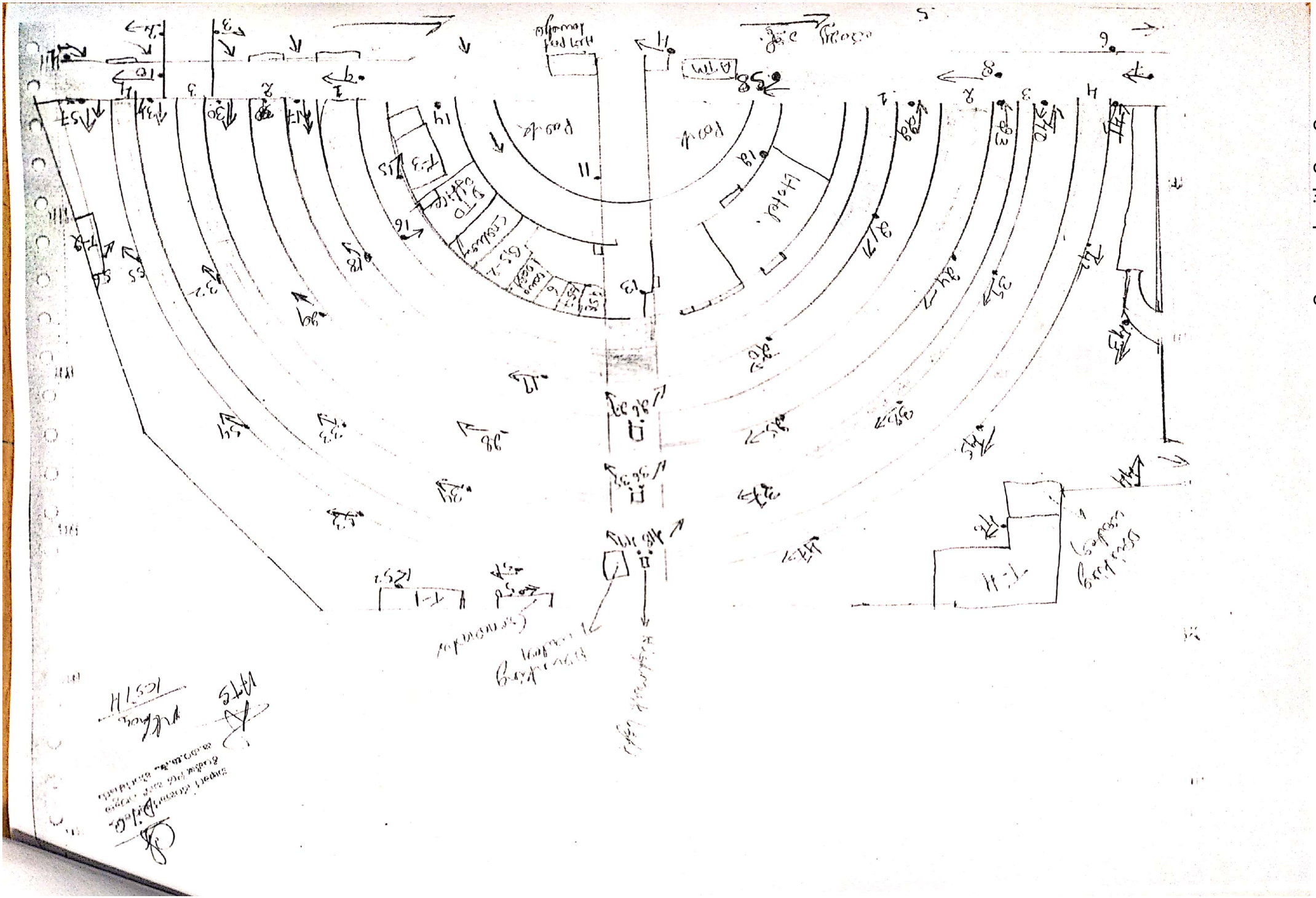

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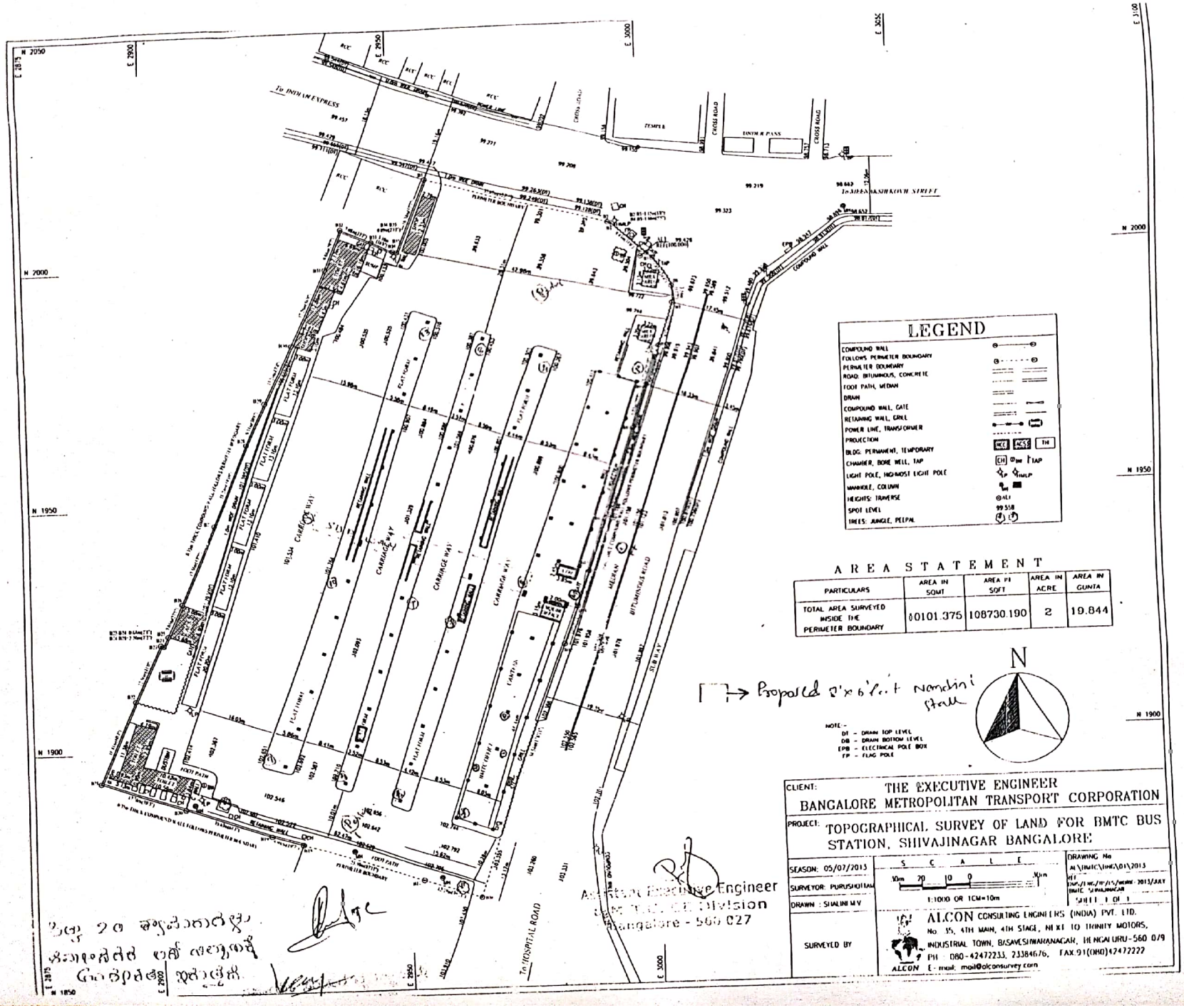

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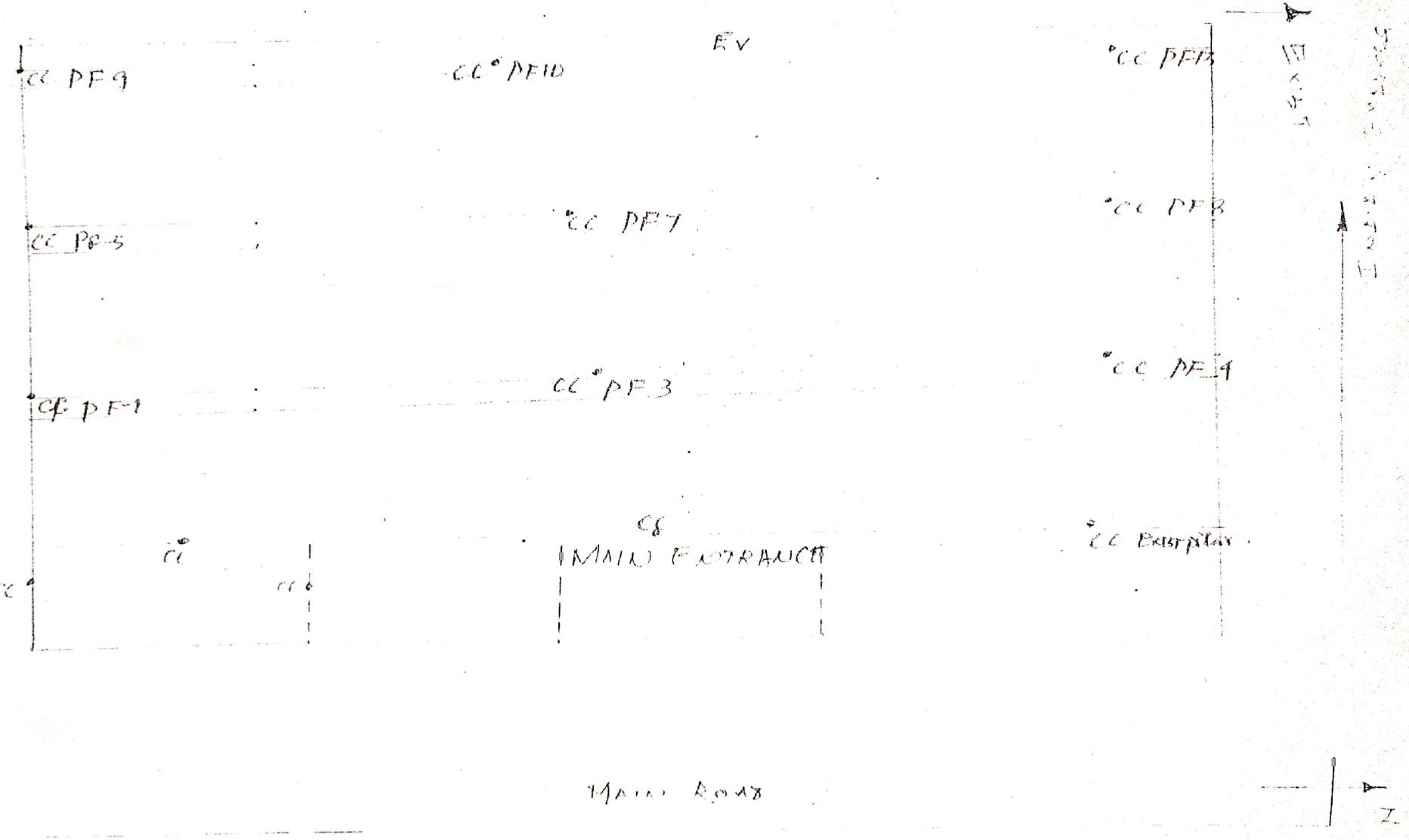
METRO

STAND WISE TIMINGS

ASSISTANT TRAFFIC MANAGER
Shivajinagar Bus Stand
BMTC, Bangalore-560001



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